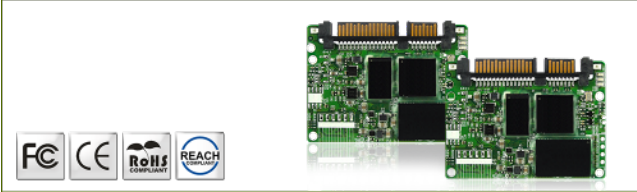


SLC  
aSLC  
MLC  
3D-NAND  
DRAM Module  
Adapter  
Card-drive



**Features**

- SLC-NAND flash technology
- Built with DDRIII SDRAM cache
- Support Trim command set
- Support Native Command Queuing (NCC)
- Support S.M.A.R.T. command set and utility
- Capacities from 8GB up to 128GB

**Specification**

- **Compatibility**  
SATA Revision 3.1  
ATA-8 command set
- **Declarations**  
RoHS & REACH compliant
- **Flash technology**  
SLC-NAND flash technology
- **Form-factor**  
1.8" Slim Lite SATA III SSD JEDEC
- **Host Interface**  
MO-297A Specification compliance  
SATA 7-pin (data) + 15-pin (power)
- **Performance**
  - **Data transfer rate**  
SATA 1.5Gb/s, 3.0Gb/s, 6.0Gb/s
  - **Sequential read**  
508.5 MB/sec (Max.)
  - **Sequential write**  
344 MB/sec (Max.)
- **Environmental**
  - **Operating temp.**  
STD. 0°C~+70°C/IND. -40°C~+85°C
  - **Non-operating temp.**  
STD. -20°C~+80°C/IND. -50°C~+95°C
  - **Humidity**  
10% ~ 95% non-condensing
  - **Vibration**  
70 Hz to 2K Hz, 20G, 3 axes
  - **Shock**  
0.5ms, 1500 G, 3 axes
  - **Altitude**  
70,000 feet

- **Power consumption**
  - **Power requirement**  
+5 V ± 5%
  - **Reading mode**  
232mA (Max.)
  - **Writing mode**  
261mA (Max.)
  - **Idle mode**  
198mA (Max.)
- **Reliability**
  - **Wear-leveling**  
Static wear-leveling algorithms
  - **TBW**  
Up to 6,912 TBW at 128GB Capacity (Sequential Write)
  - **MTBF**  
> 3,000,000 hours
  - **Erase counts**  
Up to 60,000 times
  - **ECC**  
40 bits per 1024 bytes block
- **Physical specification**
  - **Weight (Max.)**  
15g
  - **Dimension (WxL)**  
54.00 x 39.00 (mm)
- **Conformal coating**  
Optional
- **Warranty**
  - **SLC STD. grade**  
3 years or within 60,000 erasing counts
  - **SLC IND. grade**  
5 years or within 60,000 erasing counts

**Part Number List**

Capacity	0°C~+70°C	Capacity	-40°C~+85°C
8GB	SB8RJ008G-JHCTC	8GB	WB8RJ008G-JHITI
16GB	SB8RJ016G-JHCTC	16GB	WB8RJ016G-JHITI
32GB	SB8RJ032G-JHCTC	32GB	WB8RJ032G-JHITI
64GB	SB8RJ064G-JHCTC	64GB	WB8RJ064G-JHITI
128GB	SB8RJ128G-JHCTC	128GB	WB8RJ128G-JHITI

**Part Number Decoder**

X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X18 X19 X20

Example: W B 8 R J 1 2 8 G - J H I T I - C

**X1 Grade**

S : Standard grade operating temp. 0°C~+70°C  
W: Industrial grade operating temp. -40°C~+85°C

**X2 The material of casing**

B : Bare (without casing)

**X3 X4 X5 Product category**

8RJ : 1.8" Slim Lite SATA III SSD with DRAM cache

**X6 X7 X8 X9 Capacity**

008G : 8GB      064G : 64GB  
016G : 16GB    128G : 128GB  
032G : 32GB

**X11 Controller**

J : HERMES Series

**X12 Controller version**

A, B, C, D....

**X13 Controller grade**

C : Commercial grade  
I : Industrial grade

**X14 Flash IC brand**

T : Toshiba SLC-NAND flash IC

**X15 Flash IC grade**

C : Commercial grade  
I : Industrial grade

**X17 X18 X19 X20 Reserved for specific requirements**

C : Conformal coating (optional)